

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	0	((("6057234") or ("6171961B1") or ("6436827B1") or ("6225218B1")).PN.) and conductive and barrier and insulat\$4 and aluminum and (heat or anneal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/01 11:21
S3	10037	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:46
S4	2357	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:47
S5	993	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:47
S6	654	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:47
S7	0	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:47
S8	0	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:48
S9	467	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:49
S10	124	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4 and pulse and oscillat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:49

## EAST Search History

S11	58	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4 and pulse and oscillat\$4 and (acryl or polymide or polyamide or polyimideamide or epoxyacryl or benzocyclobutene or parylene or flare)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:50
S12	24	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4 and pulse and oscillat\$4 and (acryl or polymide or polyamide or polyimideamide or epoxyacryl or benzocyclobutene or parylene or flare) and silicon and oxygen and hydrogen and fluorine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:52
S13	24	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4 and pulse and oscillat\$4 and (acryl or polymide or polyamide or polyimideamide or epoxyacryl or benzocyclobutene or parylene or flare) and silicon and oxygen and hydrogen and fluorine and (titanium or tantalum or tungsten)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:52
S14	24	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4 and pulse and oscillat\$4 and (acryl or polymide or polyamide or polyimideamide or epoxyacryl or benzocyclobutene or parylene or flare) and silicon and oxygen and hydrogen and fluorine and (titanium or tantalum or tungsten) and (germanium or tin or gallium or zinc or lead or indium or scantium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:53

## EAST Search History

S15	24	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4 and pulse and oscillat\$4 and (acryl or polymide or polyamide or polyimidamide or epoxyacryl or benzocyclobutene or parylene or flare) and silicon and oxygen and hydrogen and fluorine and (titanium or tantalum or tungsten) and (germanium or tin or gallium or zinc or lead or indium or scandium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:53
S16	19	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4 and pulse and oscillat\$4 and (acryl or polymide or polyamide or polyimidamide or epoxyacryl or benzocyclobutene or parylene or flare) and silicon and oxygen and hydrogen and fluorine and (titanium or tantalum or tungsten) and (germanium or tin or gallium or zinc or lead or indium or scandium) and nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:57
S17	19	conductive and barrier and insulat\$4 and aluminum and (heat or anneal) and pressure and ultraviolet and lamp and laser and irradiat\$4 and pulse and oscillat\$4 and (acryl or polymide or polyamide or polyimidamide or epoxyacryl or benzocyclobutene or parylene or flare) and silicon and oxygen and hydrogen and fluorine and (titanium or tantalum or tungsten) and (germanium or tin or gallium or zinc or lead or indium or scandium) and nitride and (via or hole or open\$4 or trench)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/10/22 07:58

## EAST Search History

S18	39	((("4502210") or ("5169803") or ("5283206") or ("5512512") or ("5534463") or ("5589713") or ("5641993") or ("5665659") or ("5719446") or ("5723367") or ("5747360") or ("5789317") or ("5830786") or ("5843843") or ("5844318") or ("5846877") or ("5869902") or ("5880023") or ("5913146") or ("6001727") or ("6194315B1"))).PN. or ((2001/0011727A1) or (2002/0197866A1)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/20 11:20
S19	0	S18 and (organic or acrylic or polyamide or polyimide or "epoxy acrylic" or benzocyclobutene or parylene or flare) and (open or via or trench or hole) and (conductive or nitride or barrier) and aluminum, and (flat\$4 or smooth) and (heat near treatment) and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/20 11:25
S20	2	S18 and (organic or acrylic or polyamide or polyimide or "epoxy acrylic" or benzocyclobutene or parylene or flare) and (open or via or trench or hole) and (conductive or nitride or barrier) and aluminum and (flat\$4 or smooth) and (heat near treatment) and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/20 11:25
S21	2	((("6057234") or ("6171961B1") or ("6436827B1") or ("6225218B1"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/16 09:43
S22	3166	(organic or carbon or acryl or polyimide or polyamide or polyimide or epoxyacryl or benzocyclobutene or parylene or flare) and (open or via or hole or trench) and (conduct\$4 or metal) and insulat\$4 and aluminum and (flatten\$4 or pattern\$4 or planariz\$4) and (heat\$4 or thermal or anneal\$4) and chamber and lamp and (silicon or hydrogen or oxygen or fluorine) and (titanium or tantalum or tungsten or silicon) and (germanium or tin gallium or zinc or lead or indium or scandium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 16:20

## EAST Search History

S23	2942	(organic or carbon or acryl or polyimide or polyamide or polyimidamide or epoxyacryl or benzocyclobutene or parylene or flare) and (open or via or hole or trench) and (conduct\$4 or metal) and insulat\$4 and aluminum and (flatten\$4 or pattern\$4 or planariz\$4) and (heat\$4 or thermal or anneal\$4) and chamber and lamp and (silicon or hydrogen or oxygen or fluorine) and (titanium or tantalum or tungsten or silicon) and (germanium or tin gallium or zinc or lead or indium or scandium) and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 16:21
S24	470	(organic or carbon or acryl or polyimide or polyamide or polyimidamide or epoxyacryl or benzocyclobutene or parylene or flare) and (open or via or hole or trench) and (conduct\$4 or metal) and insulat\$4 and aluminum and (flatten\$4 or pattern\$4 or planariz\$4) and (heat\$4 or thermal or anneal\$4) and chamber and lamp and (silicon or hydrogen or oxygen or fluorine) and (titanium or tantalum or tungsten or silicon) and (germanium or tin gallium or zinc or lead or indium or scandium) and pressure and (semiconductor or wafer or substrate) and atmosphere and laser and irradiat\$4 and oscillat\$4 and nitride	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 16:24
S25	770	("SOG" or spin) and (acryl or benzocyclobutene or parylene or flare or polymide) and (open\$3 or via or hole or trench) and (barrier or titanium or "titanium nitride" or tungsten or "tungsten nitride" or tantalum or polysilicon or "tantalum nitride") and (aluminum or copper) and (germanium or tin or gallium or zinc or lead or indium or scandium) and (laser near irradiat\$4 or "RTA")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 14:22

## EAST Search History

S26	413	("SOG" or spin) and (acryl or benzocyclobutene or parylene or flare or polyimide) and (open\$3 or via or hole or trench) and (barrier or titanium or "titanium nitride" or tungsten or "tungsten nitride" or tantalum or polysilicon or "tantalum nitride") and (aluminum or copper) and (germanium or tin or gallium or zinc or lead or indium or scandium) and (laser near irradiat\$4 or "RTA") and ultraviolet and heat and silicon and oxygen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 14:25
S27	193	("SOG" or spin) and (acryl or benzocyclobutene or parylene or flare or polyimide) and (open\$3 or via or hole or trench) and (barrier or titanium or "titanium nitride" or tungsten or "tungsten nitride" or tantalum or polysilicon or "tantalum nitride") and (aluminum or copper) and (germanium or tin or gallium or zinc or lead or indium or scandium) and (laser near irradiat\$4 or "RTA") and ultraviolet and heat and silicon and oxygen and fluorine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 14:26
S28	180	("SOG" or spin) and (acryl or benzocyclobutene or parylene or flare or polyimide) and (open\$3 or via or hole or trench) and (barrier or titanium or "titanium nitride" or tungsten or "tungsten nitride" or tantalum or polysilicon or "tantalum nitride") and (aluminum or copper) and (germanium or tin or gallium or zinc or lead or indium or scandium) and (laser near irradiat\$4 or "RTA") and ultraviolet and heat and silicon and oxygen and fluorine and (argon or nitrogen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 14:27

## EAST Search History

S29	105	("SOG" or spin) and (acryl or benzocyclobutene or parylene or flare or polyimide) and (open\$3 or via or hole or trench) and (barrier or titanium or "titanium nitride" or tungsten or "tungsten nitride" or tantalum or polysilicon or "tantalum nitride") and (aluminum or copper) and (germanium or tin or gallium or zinc or lead or indium or scandium) and (laser near irradiat\$4 or "RTA") and ultraviolet and heat and silicon and oxygen and fluorine and (argon or nitrogen) and lamp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 14:27
S30	57	("SOG" or spin) and (acryl or benzocyclobutene or parylene or flare or polyimide) and (open\$3 or via or hole or trench) and (barrier or titanium or "titanium nitride" or tungsten or "tungsten nitride" or tantalum or polysilicon or "tantalum nitride") and (aluminum or copper) and (germanium or tin or gallium or zinc or lead or indium or scandium) and (laser near irradiat\$4 or "RTA") and ultraviolet and heat and silicon and oxygen and fluorine and (argon or nitrogen) and lamp and oscillation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 14:27
S31	5481	(organic near( insulat\$4 or dielectric or oxide) near4 film)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 12:12
S32	694	(open\$3 or via or hole or trench) near9 (organic near( insulat\$4 or dielectric or oxide) near4 film)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 12:13
S33	456	(open\$3 or via or hole or trench) near9 (organic near( insulat\$4 or dielectric or oxide) near4 film) and ((barrier or conduct\$4 or metal or polysilicon) near9 (insulat\$4 or dielectric or oxide))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 12:18

## EAST Search History

S34	189	(open\$3 or via or hole or trench) near9 (organic near(insulat\$4 or dielectric or oxide) near4 film) and ((barrier or conduct\$4 or metal) near9 (insulat\$4 or dielectric or oxide)) and (aluminum near9 (barrier or conduct\$4 or metal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 12:19
S35	10	(open\$3 or via or hole or trench) near9 (organic near(insulat\$4 or dielectric or oxide) near4 film) and ((barrier or conduct\$4 or metal) near9 (insulat\$4 or dielectric or oxide)) and ((anneal or heat) near9(aluminum near9 (barrier or conduct\$4 or metal)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 14:02
S36	3771	(conductive or metal or polysilicon) near9 (organic near film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 07:52
S37	101	(conductive or metal or polysilicon) near9 (organic near film) and ((nitride near film) near9 (organic near film))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 07:54
S38	67	(conductive or metal or polysilicon) near9 (organic near film) and ((nitride near film) near9 (organic near film)) and ((conductive or metal or polysilicon) near9 (nitride near film))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 07:55
S39	64	(conductive or metal or polysilicon) near9 (organic near film) and ((nitride near film) near9 (organic near film)) and ((conductive or metal or polysilicon) near9 (nitride near film)) and (semiconductor or substrate or wafer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 10:37
S40	0	(conductive or metal or polysilicon) near9 (organic near film) and ((nitride near film) near9 (organic near film)) and ((conductive or metal or polysilicon) near9 (nitride near film)) and (semiconductor or substrate or wafer) and (438/597. ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 10:39



## EAST Search History

S41	0	(conductive or metal or polysilicon) near9 (organic near film) and ((nitride near film) near9 (organic near film)) and ((conductive or metal or polysilicon) near9 (nitride near film)) and (semiconductor or substrate or wafer) and (438/584. ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 10:39
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